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Adaptec RAID Release dated: May 1, 2014
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These release notes contain the following:

1. Description of the Release
2. Supported Controllers
3. Enhancements and Bugfixes

1. Description of the Release:
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This is the official software release containing the list of software components listed below:

- Firmware Version 5.2.0 Build 19147
- Windows Driver (32-bit and 64-bit) Version 7.4.0.30850
- Linux Driver Version 1.2.1-40300
- VMware Driver Version 1.2.1.-40301
- maxView Storage Manager (MSM) Version 1.05 Build 20942

2. Supported Controllers:
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- Adaptec RAID 6405
- Adaptec RAID 6405E
- Adaptec RAID 6405T
- Adaptec RAID 6445
- Adaptec RAID 6805
- Adaptec RAID 6805E
- Adaptec RAID 6805T
- Adaptec RAID 6805TQ
- Adaptec RAID 6805Q

3. Enhancements and Bug Fixes:
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- Identified and resolved a PCIe initialization issue where Series 6 & 6E RAID controller would not display at system POST and possibly hang the system from booting in some motherboards
- Resolved an issue where hot plug was not working properly with Intel RES2SV240 and RES2CV360 expanders
- Copyback operation will be performed if a drive is discovered with a corrupted MBR
- Resolved an issue where attached drives with 4k sector size support were causing a controller panic. Series 6 controllers do not support Native 4k sector size drives
- Resolved an issue where drive write cache policy settings were not being retained for drives hot removed/added
- Resolved an issue where the controller would stop responding if a drive was hot removed/added within quick succession
- Resolved an issue where an array rebuild was not starting if multiple array rebuilds were occurring concurrently
- Resolved an issue where WD drives weren't detected if jumpered for staggered spin-up
- Resolved an issue where a faulty drive would prevent remaining good drives from being discovered
- Improved medium error handling for RAID 1 and RAID 1E
- Resolved an issue where drives were not detected in an SMC 846EL2 enclosure
- Resolved an issue where controller would not be detected after a soft reboot on an Asus P8 series motherboard

Driver:

- All Operating Systems:
- MSIX support
- Performance enhancements
- Support for new Series 8 Family
- Windows changes:
- Resolved an issue that prevented the installation of Windows 8/2012 on an RAW drive when controller set to RAID mode
- Resolved BSOD condition when attempting sleep mode state change in Windows 8
- Linux changes:
- Added DKMS driver support for Fedora kernel versions 3.8 and 3.9.
- Resolved an issue where the displayed logical device name was truncated if greater than 15 characters
- Resolved an issue where there was a discrepancy between the reported size of a logical device at creation versus what is made available to the operating system
- Corrected an issue that would cause a kernel hang during a driver re-load
- Corrected an issue that could cause a kernel panic under VMware (4.1/5.0/5.1/5.5) during a reboot

maxView/ARCCONF:

- maxView architectural changes have been made to significantly improve UI responsiveness
- Email recipient for event notification is now customizable
- Tape driver support has been added to the maxView user interface
- Resolved an issue where the "Cache flush and fetch rate" setting for a maxCache container could not be changed
- Resolved an issue where the drive firmware version was not updating after successfully flashing updated drive firmware in maxView
- Resolved an issue where newly created RAID arrays were not properly updating in VMware GuestOS maxView
- Resolved an issue where the array status would incorrectly display as optimal for a redundant array with a failed member
- Resolved an issue where the Verify option was greyed out after a RAID array was created using build/clear method
- Resolved an issue where logical device resources were not properly displayed during a RAID reconfiguration
- Identified an issue that would prevent a user from logging into maxView after installation on Solaris 11
- Identified an issue preventing an online capacity expansion (OCE) from being performed using ARCCONF
- Resolved an issue where maxView was unable to blink drive LED with Chenbro enclosures
- Resolved an issue that would prevent read and write logical drive cache settings from being changed at the same time
- Resolved an issue where Verify or Verfiy w/ fix operation could not be performed on a maxCache container
- Resolved an issue where a virtual pool creation within maxConf would fail if pool was created in maxView
- Identified and resolved an issue where an array wasn't showing protected by a hotspare after the completion of a copyback
- Resolved an issue where no information was appearing in the "Resources" tab in maxView for a RAID volume

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